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**From:** Doug Krapas [dougkrapas@iepc.com]  
**Sent:** 11/30/2018 7:29:34 PM  
**To:** ABOR461@ECY.WA.GOV; Lisa Dally Wilson ([REDACTED] Ex. 6 Personal Privacy (PP)); Benjamin Floyd [ben@whitebluffsconsulting.com]; 'Lahti, Greg' [LahtiG@wsdot.wa.gov]; 'tom@agnewconsulting.com' [tom@agnewconsulting.com]; Edmondson, Lucy [Edmondson.Lucy@epa.gov]; 'Olsen, Catherine' [colsen@spokanecity.org]; 'Williams, Tammie' [WilliamT@wsdot.wa.gov]; mpetersen@landscouncil.org; 'Pond, Elsa' [PondE@wsdot.wa.gov]; Greenlund, Doug [dgreenlund@spokanecity.org]; Lauren Heine [lheine@northwestgreenchemistry.org]; David Darling [ddarling@paint.org]; Lara Floyd [lara@whitebluffsconsulting.com]  
**Subject:** FW: PCB sniffing dog  
**Attachments:** ATT00001.txt; Replinger et al\_Detection dogs & PCBs.docx

Thought you all might get a kick out of this. Pretty cool, but not sure it would be of much value to us since it appears that the lower detection level is 100 ppb.

Have a great weekend ya'll.

Doug

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**From:** Suzanne Replinger [mailto:SuzanneR@windwardenv.com]  
**Sent:** Friday, November 30, 2018 11:03 AM  
**To:** Doug Krapas  
**Cc:** Nancy Judd  
**Subject:** RE: PCB sniffing dog

Hi Doug –

It's been a while since I first emailed, but I wanted to pass along the attached abstract regarding our PCB detection dog study work – we have completed the work, and are now at a place where we can share the results. The attached abstract (which was prepared for the upcoming 2019 Battelle sediment conference) describes the study and results. To give you the really short summary – the study was a success. Sampson (the detection dog) was able to detect PCBs in a variety of sources (e.g., caulk, paint, and soil), and if used correctly, our study concluded that detection dogs could be an efficient way of locating PCBs as part of source control efforts.

Feel free to contact me if you have questions about this or would like to hear more.

Thanks!

Suzanne

Suzanne Replinger  
Senior Associate  
Windward Environmental, LLC  
200 W Mercer St, Suite 401  
Seattle, WA 98119  
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[suzanner@windwardenv.com](mailto:suzanner@windwardenv.com)

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**From:** Suzanne Replinger  
**Sent:** Tuesday, February 14, 2017 9:31 AM  
**To:** 'dougkrapas@iepc.com' <dougkrapas@iepc.com>  
**Cc:** Nancy Judd <NancyJ@windwardenv.com>  
**Subject:** RE: PCB sniffing dog

Hi Doug --

Nancy passed your email on to me -- I've been the one at Windward who has been coordinating our work on the detection dog project. I don't think we're ready to share results/information about this study quite yet, but hopefully will be in the next couple months. At that point, we'd be more than happy to give you some materials to be able to share with folks who are interested!  
I'll be in touch once we have something to share. Thanks!

Suzanne

Suzanne Replinger  
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**From:** Nancy Judd  
**Sent:** Wednesday, February 08, 2017 12:18 PM  
**To:** Suzanne Replinger <SuzanneR@windwardenv.com>  
**Subject:** FW: PCB sniffing dog

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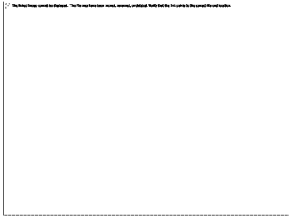
**From:** Doug Krapas [<mailto:dougkrapas@iepc.com>]  
**Sent:** Wednesday, February 08, 2017 10:20 AM  
**To:** Nancy Judd <NancyJ@windwardenv.com>  
**Subject:** RE: PCB sniffing dog

Thanks Nancy for circling back. I have told numerous people about this interesting concept and they were just as intrigued as I am. I would like to do a little more promoting with the Spokane River Regional Toxics Task Force ([www.SRRRTTF.org](http://www.SRRRTTF.org)) to see if we can find some opportunity to put this into action in our watershed. Do you have any additional information that you can share as promotional materials that I can forward to the greater good?

Thanks again,

Doug

**Doug Krapas**  
**Environmental Manager**



3320 N. Argonne Spokane, WA 99212  
509.924.1911 509.927.8461 FAX

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**From:** Nancy Judd [<mailto:Nancy@windwardenv.com>]  
**Sent:** Wednesday, January 25, 2017 8:51 AM  
**To:** Doug Krapas  
**Subject:** PCB sniffing dog

Hi Doug,

I called you a few weeks ago about work Windward has done with a PCB sniffing dog (for use in source identification). Thanks for your interest and thoughts about reaching out to Andy Dunau for the Spokane River Forum and the Spokane River Toxics Task Force. I think we will definitely be doing these things but it may be a few months yet. The team Windward is working with, which includes the City of Seattle and University of Washington, are interested in getting their work out there, but right now are focused on finished up their internal reporting, etc. I just wanted to loop back to you so this would not be just a mysterious blip that fades from your radar without follow up. Hope to have the opportunity to share this work with you and other later this year. Best, Nancy

Nancy Judd

Partner



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